Vamshi M Jois

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ABOUT ME

Ambitious, Innovative, teamwork-oriented, Smart Individual seeking to learn new things about IT. Eager to work in an organization that provides an opportunity to improve my skills and try to apply my skills in real world problems

EDUCATION

Masters of Technology [Computer Network Engineering] 2023–2025
Ramaiah Institute of Technology, Bengaluru, India
- ✓ *CGPA*: 7.68/10.0

Bachelor of Engineering [Computer Science and Engineering] 2019–2023
The National Institute Of Engineering, Mysore, India
- ✓ *CGPA*: 7.84/10.0

Class 12th 2019
MES Kishora Kendra PU College, Bengaluru
- ✓ *Percentage*: 75.5%

Class 10th 2017
MES Kishora Kendra High School, Bengaluru
- ✓ *Percentage*: 91.52%

EXPERIENCE

Machine Learning Intern Dec 2024 - Feb 2025
Dotch Endevours, Bengaluru, India
- ✓ Built an AI-assisted chatbot for customer support that automates responses to frequently asked questions with high accuracy and delivers context-aware answers instantly. It reduces human workload, provides 24/7 support, and integrates seamlessly with websites, apps, and messaging platforms.

Assistant Professor Aug 2025 - Present
Jyothy Institute of Technology, Bengaluru, India
- ✓ Delivered lectures and conducted laboratory sessions while guiding students in projects and technical problem-solving. Coordinated academic duties, organized student activities, and managed departmental newsletter and magazine.

RESEARCH PROJECTS

DDOS Attack Analysis using Federated Learning based BiLSTM with Attention based Multithreding Mechanism.
- ✓ This project analyzes Distributed Denial of Service (DDoS) attacks using a federated learning approach with FedProx.A BiLSTM model captures temporal dependencies in network traffic, enhanced with an attention mechanism to focus on critical patterns.Multi-threading parallelizes data processing and model training for improved scalability and faster response.The architecture enables robust, privacy-preserving, real-time intrusion detection in cloud environments.

Plant Leaf Disease Detection System

- ✓ The Plant Leaf Disease Detection System uses Deep learning techniques to identify diseases in plant leaves by analyzing uploaded images. Built with CNN, Python, TensorFlow, Keras, and Numpy, it offers accurate diagnosis through deep learning models. The system provides a simple interface for users to upload images and receive disease predictions. HTML and CSS are used to create an intuitive front-end, making the tool accessible and easy to use for plant care and agricultural purposes.

QR Code Based Attendance System

- ✓ The QR Code Attendance System is a streamlined solution for tracking attendance, leveraging QR codes for quick and accurate identification. Built using Python, MyQR, Tkinter, Pyzbar, and OpenCV, it allows users to easily mark attendance through scanned codes. The system is designed to be user-friendly and efficient, reducing the manual effort in attendance management. It ensures real-time updates and seamless integration, providing a hassle-free experience for both students and administrators.

TECHNICAL SKILLS

- Languages: Python, C
- Technologies: Cloud Computing, Cryptography, Computer Networks
- Operating Systems: Linux, Windows

SUBJECTS HANDLED

- Computer Networks
- Operating Systems: Cloud Computing, Cryptography,
- Artificial Intelligence

LABORATORIES HANDLED

- Computer Networks Laboratory
- Operating Systems Laboratory
- Artificial Intelligence Laboratory
- Gen AI Laboratory

ACADEMIC / DEPARTMENT RESPONSIBILITIES

- Proctor & PTM Coordination
- Industrial Visit Coordination
- AI Nexus club Co-ordinator
- Department Newsletter / Magazine Coordinator

LANGUAGES

- Kannada: Mother tongue
- English: Very Good
- Telugu and Hindi: Second language

CERTIFICATIONS

- ✓ Deep Learning and Generative AI – E&ICT Academy IIT Guwahati (2026)
- ✓ Responsible Generative AI – AICTE ATAL Academy
- ✓ Social Networks by NPTEL

PUBLICATIONS

Research Articles

- ✓ Federated Learning for DDoS Attack Analysis in Network Traffic Using Attention-Enhanced BiLSTM with Multithreaded Approach
- ✓ DDoS–based Network Traffic Analysis Using Machine Learning Models

AWARDS

Early Research Contribution for the year 2024-25

DECLARATION

I affirm that the information provided above is accurate to the best of my knowledge.